



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/823,654	04/14/2004	Yoshio Terada	Q81096	4963
65565	7590	12/15/2006	EXAMINER	
SUGHRUE-265550			DOUYON, LORNA M	
2100 PENNSYLVANIA AVE. NW			ART UNIT	
WASHINGTON, DC 20037-3213			PAPER NUMBER	

1751

DATE MAILED: 12/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/823,654

**Applicant(s)**

TERADA ET AL.

**Examiner**

Lorna M. Douyon

**Art Unit**

1751

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 September 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) 11-16 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

Art Unit: 1751

***Election/Restrictions***

1. Applicant's election **without** traverse of Group I, claims 1-10 in the reply filed on September 28, 2006 is acknowledged.
2. Claims 11-16 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

***Claim Objections***

3. Claim 6 is objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim cannot depend from another multiple dependent claim. Please note that claim 4 depends from claim 3, which is a multiple dependent claim. See MPEP § 608.01(n).

***Claim Rejections - 35 USC § 112***

4. Claim 4 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In lines 2-3, the phrase "an adhesive layer provided on the side opposite to the adhesive layer" is not understood.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 1751

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1, 3-8 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iwabuchi et al. (US Patent No. 6,703,121), hereinafter "Iwabuchi".

Iwabuchi teaches an adhesive sheet for a precision electronic member (see abstract) having an adhesive layer (which also reads on the cleaning layer) on one face of a base sheet (which reads on the support; the opposite side reads on the carrying member) (see col. 4, lines 25-28), and the base sheet can be a polyethylene, polypropylene or polyesters (see col. 4, lines 47-56), and a release sheet (equivalent to the releasable protective film of the present claims) can be provided on the adhesive layer (see col. 4, lines 58-62), wherein the release sheet comprises a release agent which is preferably a non-silicone release agent (see col. 5, lines 10-12). The release layer was laminated to the adhesive layer (see Example 1, col. 5, line 40 to col. 6, line 13). Iwabuchi, however, fails to teach the relative intensities of the recited fragments ions in values as those recited, i.e. 0.1 or less.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to reasonably expect the relative intensities of the recited fragments ions in the adhesive sheet of Iwabuchi to be within those recited because Iwabuchi teaches that the release sheet comprises a release agent which is preferably non-silicone release agent, hence, when a non-silicone release agent is used, there would be no fragment ions as those recited remaining on the sheet.

7. Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuura et al. (US Patent No. 6,066,404), hereinafter "Suzuura".

Suzuura teaches a packaging clean film (see col. 1, lines 6-12) which comprises a base structure having heat-sealing layer forming its inside surface and a protective layer laminated to the base structure so as to be removable (see col.1, lines 41-45). In Example 1, Suzuura teaches a laminated film comprising MDPE/LDPE (medium-density polyethylene film/low-density polyethylene resin) composite film, the outer protective layer 5, the Ony (nylon) film is the base layer 2 (equivalent to the cleaning layer which has no adhesive strength), the LDPE film is the heat-sealing layer 3, and the CPP (polypropylene) film is the inner protective layer 6 (see col. 8, lines 8-38; Figure 2). Reference numeral 6 is equivalent to the support layer and carrying member, 3 is equivalent to adhesive layer, 2 is equivalent to cleaning layer and 5 is equivalent to the releasable protective film of the present claims. Suzuura, however, fails to teach the relative intensities of the recited fragments ions in values as those recited, i.e. 0.1 or less, and the use of the laminated film as a cleaning sheet.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to reasonably expect the relative intensities of the recited fragments ions in the laminated film of Suzuura to be within those recited because the films of Suzuura do not have any silicone components to yield the recited fragments ions. Even though Suzuura does not teach a cleaning sheet use of his composition, the two different intended uses are not distinguishable in terms of the composition, see *In re Thuau*, 57 USPQ 324; *Ex parte Douros*, 163 USPQ 667; and *In re Craige*, 89 USPQ 393.

Art Unit: 1751

***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The references are considered cumulative to or less material than those discussed above.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lorna M. Douyon whose telephone number is 571-272-1313. The examiner can normally be reached on Mondays-Fridays 8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas McGinty can be reached on 571-272-1029. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

*Lorna M. Douyon*  
Lorna M. Douyon  
Primary Examiner  
Art Unit 1751